

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 8, 2002, 22:26:00 ; Search time 22.62 Seconds
(without alignments)
450.663 Million cell updates/sec

Title: US-09-635-521a-2
Perfect score: 2334
Sequence: 1 MASPSIPGSDCSQITIDSHV.....NSGAKPANSAAENGFQHEHV 453

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

1 number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents.AM:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCUS.COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	419	18.0	416	3	US-08-858-876A-4
2	419	18.0	416	4	US-09-472-880-4
3	404	17.3	410	3	US-08-858-876A-2
4	404	17.3	410	4	US-09-472-880-2
5	403.5	17.3	353	1	US-08-118-270-45
6	403.5	17.3	353	5	PCT-US93-08528-45
7	370.5	15.9	319	4	US-08-832-399-2
8	370.5	15.9	319	4	US-09-372-498-2
9	310	13.3	353	4	US-09-077-675A-3
10	308	13.2	364	4	US-09-077-675A-16
11	299	12.8	364	4	US-09-077-675A-8
12	299	12.8	366	4	US-09-077-675A-13
13	287.5	12.3	302	4	US-09-077-675A-2
14	275.5	11.8	302	4	US-09-077-675A-7
15	272.5	11.7	380	1	US-08-153-848-40
16	272.5	11.7	380	1	US-09-299-843A-40
17	272.5	11.7	380	5	PCT-US93-11153-40
18	264.5	11.3	444	4	US-09-119-788-2
19	258	11.1	346	4	US-08-993-088A-3
20	258	11.1	346	3	US-08-993-088A-3
21	257	11.0	349	3	US-08-513-974B-46
22	254	10.9	348	3	US-08-513-974B-46
23	254	10.9	348	3	US-08-513-974B-342
24	254	10.9	348	3	US-08-993-088A-10
25	250.5	10.7	428	1	US-07-816-283-12
26	250.5	10.7	428	1	US-08-417-103-12
27	250	10.7	349	4	US-08-993-088A-11

28	250	10.7	351	3	US-08-513-974B-344	Sequence 344, App
29	249.5	10.7	398	2	US-08-288-663A-1	Sequence 1, Appl
30	248	10.6	271	4	US-09-077-675A-12	Sequence 12, Appl
31	246.5	10.6	418	1	US-07-816-283-10	Sequence 10, Appl
32	246.5	10.6	418	1	US-08-417-103-10	Sequence 10, Appl
33	245	10.5	333	5	PCT-US93-08528-40	Sequence 40, Appl
34	245	10.5	333	5	PCT-US93-08528-40	Sequence 40, Appl
35	244	10.5	391	1	US-07-816-283-2	Sequence 2, Appl
36	244	10.5	391	1	US-07-816-283-4	Sequence 4, Appl
37	244	10.5	391	1	US-08-417-103-2	Sequence 2, Appl
38	244	10.5	391	1	US-08-417-103-4	Sequence 4, Appl
39	244	10.5	391	1	US-08-417-103-14	Sequence 14, Appl
40	243.5	10.4	393	1	US-07-629-1041-3	Sequence 3, Appl
41	243	10.4	391	4	US-08-120-601B-8	Sequence 8, Appl
42	242.5	10.4	444	1	US-07-937-609-14	Sequence 14, Appl
43	242.5	10.4	444	1	US-08-029-170-14	Sequence 14, Appl
44	241.5	10.3	380	4	US-08-765-743-2	Sequence 2, Appl
45	241	10.3	398	1	US-08-149-093A-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-858-876A-4
; Sequence 4, Application US/08858876A
; Patent No. 6022856

GENERAL INFORMATION:
APPLICANT: Daniel CAPUT
APPLICANT: Pascual CHALON
APPLICANT: Pascual FERRARA
APPLICANT: VITA NATALIO
TITLE OR INVENTION: Type 2 Neutensin Receptor
TITLE OR INVENTION: (INT-R2)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESS: Jacobson, Price, Holman & Stern, PLLC
STREET: 400 Seventh Street
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,876A
FILING DATE: 19-SEP-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR 9723204
FILING DATE: 17-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Player, William E.
REGISTRATION NUMBER: 31,049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 416 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-858-876A-4

Query Match 18.0%; Score 419; DB 3; Length 416;

Best Local Similarity 28.0%; Pred. No. 3.5e-33; Mismatches 145; Indels 50; Gaps 8;

Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;
QY 28 WIKTLLIVYITVYMGILGNSATIRYQVLOKKGIVTIDHMSLACSDILVYIGM 87
DB 30 WAKVLEFALYSILAFGTAGNALSHV--VLKARAGRGRRLHYHVLDAUSALLLVSM 87

QY 88 PMEFYIINNP... 147
DB 88 PMELYNFVMSH... 147
QY 148 GPCQVLLIGF... 207
DB 148 TPRTRRLSL... 191
QY 208 SICNLSRMTV... 249
DB 192 RVCIVLSRAT... 251
QY 250 ---MKSQK... 296
DB 252 SRLLESEGLG... 310
QY 297 MPNQRIRMAA... 356
DB 311 LPYHARRLM... 370
QY 357 OVLCRLSLQ... 368
DB 371 ESLGSLCGE... 382

RESULT 2
US-09-472-880-4
; Sequence 4, Application US/09472880
; Patent No. 6274333
; GENERAL INFORMATION:
; APPLICANT: Daniel CAPUT
; PASCAL CHALON
; PASCUAL FERRARA
; VITA NATALIO
; TITLE OF INVENTION: Type 2 Neurotensin Receptor
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
; STREET: 400 Seventh Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/472,880
; FILING DATE: 28-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 9723204
; FILING DATE: 17-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,049
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 416 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-472-880-4

Query Match 18.0%; Score 419; DB 4; Length 416;
Best Local Similarity 28.0%; Pred. No. 3,5e-33;
Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;

QY 28 WIKITILVYL... 87
DB 30 WAKVETALYS... 87
QY 88 PMEFYIINNP... 147
DB 88 PMELYNFVMSH... 147
QY 148 GPCQVLLIGF... 207
DB 148 TPRTRRLSL... 191
QY 208 SICNLSRMTV... 249
DB 192 RVCIVLSRAT... 251
QY 250 ---MKSQK... 296
DB 252 SRLLESEGLG... 310
QY 297 MPNQRIRMAA... 356
DB 311 LPYHARRLM... 370
QY 357 OVLCRLSLQ... 368
DB 371 ESLGSLCGE... 382

RESULT 3
US-08-858-876A-2
; Sequence 2, Application US/08858876A
; Patent No. 6022856
; GENERAL INFORMATION:
; APPLICANT: Daniel CAPUT
; PASCAL CHALON
; PASCUAL FERRARA
; VITA NATALIO
; TITLE OF INVENTION: Type 2 Neurotensin Receptor
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
; STREET: 400 Seventh Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,876A
; FILING DATE: 19-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 9723204
; FILING DATE: 17-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,049
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 410 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-858-876A-2

INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-118-270-45

Query Match 17.3%; Score 403.5; DB 1; Length 353;
Best Local Similarity 31.3%; Pred. No. 9.3e-32;
Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;

30 KTLIVLIIIFVWGLGNSATIRVTVLOKKGY--LQKEVTDHNVSLACSDILVFLIGM 87
1 KVLVTAIYALFVYGVTVGNSVT--AFTLARKKSLQSLQSTYVHLSLSLSDLLILM-- 56
88 PMEYSLIM-NPLTSSYTLSCKLHFLFACSYATLLHVLTLSPERYIAICHPERYKAV 146
57 -VELYNFIWHHPWAFGD--AGCRGYFLRDACYATATLVASLSVERVLAICHPFRAKTL 113
147 SGPQVLLIGFVWTSALVALPLFLFAMGTEPLVNVFSHGLTCNRSTRHHQPEISN 206
114 MSRSRTKFTSAIWLASALAIPLMLFLGLQ-----NRSGDGT-----PG 154
207 MSICNLNLSRWT---VFOSSIFGAFVYLVLLSVAFMCMNMQVLM--KSQKSLAGT 261
155 GLVCPPIVDATYKVIQVNTFMSFLFPLMVISLINTYIAKLIVYVHQAAGEGRCTVG 214
262 RPPQLRKS---ESESRT-ARRQTIIFLRLIVTLAVCMPPNOIRIRMAAKPKHDWTR 316
215 THNGLEHSTFNMRIPGRVQALRHGVLVRAVIAVFCVLP-----YLCYISDEQWRT 268
317 SYFRAYMILLPSEFEFLYSVINPLLYTVSSQGFRRFVQVLC 361
269 FLDFYHYFYMILTALFYVSSAIPILYLVANSFROVFLSTLAC 313

RESULT 6
PCT-US93-08528-45
Sequence 45, Application PC/TUS9308528
GENERAL INFORMATION:
APPLICANT: New York University
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
NUMBER OF SEQUENCES: 348
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEWMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08528
FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Townsend, Kevin G.
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MURPHY-2 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633

INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US93-08528-45

Query Match 17.3%; Score 403.5; DB 5; Length 353;
Best Local Similarity 31.3%; Pred. No. 9.3e-32;
Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;

30 KTLIVLIIIFVWGLGNSATIRVTVLOKKGY--LQKEVTDHNVSLACSDILVFLIGM 87
1 KVLVTAIYALFVYGVTVGNSVT--AFTLARKKSLQSLQSTYVHLSLSLSDLLILM-- 56
88 PMEYSLIM-NPLTSSYTLSCKLHFLFACSYATLLHVLTLSPERYIAICHPERYKAV 146
57 -VELYNFIWHHPWAFGD--AGCRGYFLRDACYATATLVASLSVERVLAICHPFRAKTL 113
147 SGPQVLLIGFVWTSALVALPLFLFAMGTEPLVNVFSHGLTCNRSTRHHQPEISN 206
114 MSRSRTKFTSAIWLASALAIPLMLFLGLQ-----NRSGDGT-----PG 154
207 MSICNLNLSRWT---VFOSSIFGAFVYLVLLSVAFMCMNMQVLM--KSQKSLAGT 261
155 GLVCPPIVDATYKVIQVNTFMSFLFPLMVISLINTYIAKLIVYVHQAAGEGRCTVG 214
262 RPPQLRKS---ESESRT-ARRQTIIFLRLIVTLAVCMPPNOIRIRMAAKPKHDWTR 316
215 THNGLEHSTFNMRIPGRVQALRHGVLVRAVIAVFCVLP-----YLCYISDEQWRT 268
317 SYFRAYMILLPSEFEFLYSVINPLLYTVSSQGFRRFVQVLC 361
269 FLDFYHYFYMILTALFYVSSAIPILYLVANSFROVFLSTLAC 313

RESULT 7
US-08-832-399-2
Sequence 2, Application US/08832399
Patent No. 6008050
GENERAL INFORMATION:
APPLICANT: Bergsma, Derk
APPLICANT: Shabon, Usman
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,399
FILING DATE: 02-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: King, William T
REGISTRATION NUMBER: 30,954
REFERENCE/DOCKET NUMBER: GH50020
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5515

QY 20 VPBEVATWIKITILIIYUILLIFEWGLINGSATIIRVOLOKKEYLQKEVEDHVAUSLACSD 79
: : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 22 LPLEFPPLLAGVATCYAL--FWGIAGNLLIMLVYSRFE---MRTTULYISSMAFSD 76

QY 80 ILVELIGMPMEFYSIINNPILTSSYTLSCRLHTFLFECASYATLLHVLTLSFERYAICH 139
: : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 77 LILPFLC-MPDLDER-LWOYRPWNIGNLLCKLFQGVSSCIYAVVLTTALSVERFAICF 134

QY 140 PERYKAVSGPCQVKLLIGFWWTSAVALDPLEFMGTETYLVNVPBSHRGLTNBSSTRHH 199
: : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 135 PLRAKVAVVTGKRVLIVLIVMAVAFCSAGIIEVLGYEHD-----NGTPDRDT 182

QY 200 EQPTSMKSICTNLMSKWTFQSSILFCAPVYV-LVLLTSAPMCNMNQVLMSQGSILA 258
: : : : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 183 NECRATEFAVNSGLLT-VMWVSVEFFELDPFCLTYLSL-----IGRALMRKKREGAA 235

QY 259 GGTFRPOLRKSESESTAROTIIFRLIVVTLAYCOMNOJRIIAAKPKHDWR-S 317
: : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 236 VGS---SLRDON-----HQYMKMLAVVAFETLCOLMPPHGRTYLFKSLSEGVSVEIA 285

QY 318 YRAYMILLPFSETFYLYSSVINDELTVSSOOORRYFOVUL 359
: : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 286 QISOYCMLVSR-VLFYLSAINEIILINIMSKRRVAPEKLL 325

RESULT 10
 US-09-077-675A-16
 : Sequence 16: Application US/09077675A
 : Patent No. 6242199
 : GENERAL INFORMATION:
 : APPLICANT: Pal, Lee-Yuh
 : APPLICANT: Feighner, Scott C.
 : APPLICANT: Howard, Andrew D.
 : APPLICANT: Pond, Sheng-Shung
 : APPLICANT: Van Der Ploeg, Leonardus H.T.
 : TITLE OF INVENTION: RECEPTOR ASSAY
 : NUMBER OF SEQUENCES: 16
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Merck & Co., Inc.
 : STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 : CITY: Rahway
 : STATE: NJ
 : COUNTRY: USA
 : ZIP: 07065-0900
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette
 : COMPUTER: IBM Compatible
 : OPERATING SYSTEM: DOS
 : SOFTWARE: Fastseq for Windows Version 2.0
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/077, 675A
 : FILING DATE: 3-JUN-1998
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER:
 : FILING DATE:
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Cocuzzo, Anna L.
 : REGISTRATION NUMBER: 42,452
 : REFERENCE/DOCKET NUMBER: 19590P
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 732-594-1273
 : TELEFAX: 732-594-4720
 : TELEX:
 : INFORMATION FOR SEQ ID NO: 16:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 364 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : US-09-077-675A-16

Query Match	13.28;	Score 308;	DB 4;	Length 364;
Best Local Similarity	26.5%;	Pred. No. 2,4e-22;		
Matches 96;	Conservative 71;	Mismatches 137;	Indels 58;	Gaps 13.

[illegible]

RESULT 11
US-09-077-675A-8
Sequence 8, Application US/09077675A
Patent No. 6242199
GENERAL INFORMATION:
APPLICANT: Pail, Lee-Yuh
APPLICANT: Feighner, Scott C.
APPLICANT: Howard, Andrew D.
APPLICANT: Pong, Sheng-Shung
APPLICANT: Van Der Ploeg, Leonardus H. T.
TITLE OF INVENTION: RECEPTOR ASSAY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fastseq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,675A
FILING DATE: 3-JUN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:

```

: INFORMATION FOR SEQ ID NO: 8
:
: SEQUENCE CHARACTERISTICS:
:
:   LENGTH: 361 amino acids
:   TYPE: amino acid
:   STRANDNESS: single
:   TOPOLOGY: linear
:
: MOLECULE TYPE: protein
:
: US-09-077-675A-8

```

Query Match	12.8%;	Score 299;	DB 4;	Length 361;
Best Local Similarity	27.8%;	Pred. No. 1.8e-21;		
Matches 93;	Conservative 60;	Mismatches 118;	Indels 64;	Gaps 12.

OY	40	I F W G L I G N S T I E V T O V L O R K G I Q A E V D H W J S I S I L E V L I G M P E F S Y I I N P L	99
Dd	48	L F V V G I A G N I L T M L V S R F E - - L R T T N I L Y S S M A F S D L I L F C - M P I D L V R - L M Q Y R	1020
OY	100	T T S S Y T I S C K I H T F L F A C S Y A T I L H L T I S F E X Y I A I C H P F R K A V S G C O Y K I L I G F V	159
OY	103	P W N E G D L I C K I F O V S S C T A Y I V L T T A L S V E Y E A I C P E L R A K V V T Y G R K A L Y I E V I	1620
OY	160	W Y T S A L Y A L P L F A M G E Y P L V N V P S H R G L T C N K S T R H N E O P E T S N M S I C T N L S R - -	216
Dd	163	M A V A F C S A G P I F V L V G E H - - - - - E N G H D P M D T N E C R P T E F A V S G L	204
OY	217	- - W Y F O S S I F G A V V Y - L V Y I L S A L M C M N M Q V L M K S O K S I A G T R P P O L R K S S E E	273
Dd	205	L T V A W W S I E F L P E C T V L Y S L - - - - - I G K L M R R R R G D A V G A - S L D Q N - -	2520
OY	274	S R T A R O T I I F L R I V Y T L V A V C W M P N O I R I R I M A A K P K H M T R S Y - - - - - F R A Y M I	3240
Dd	253	- - - H K Q V K M L A V V E A F I L C M P F H V G R Y L - - - - - F S K S E P G S L E I A I S O Y C N	3000
OY	325	L L P S E F E F Y L S I N P L T Y V S S O Q R R R F V O Y L	359
Dd	301	L V S F - - V E Y L S A I N P L I N M S K T R V A V E R L L	333

RESULT 12
 US-09-077-675A-13
 Sequence 13, Application US/0907675A
 Patent No. 6242199
 GENERAL INFORMATION:
 APPLICANT: Pail, Lee-Yuh
 APPLICANT: Feigner, Scott C.
 APPLICANT: Howard, Andrew D.
 APPLICANT: Pong, Sheng-Shung
 APPLICANT: Van Der Ploeg, Leonardus H.T.
 TITLE OF INVENTION: RECEPTOR ASSAY.
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/077,675A
 FILING DATE: 3-JUN-1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cocuzzo, Anna L.
 REGISTRATION NUMBER: 42,452

REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
REPLY:

```

: INFORMATION FOR SEQID NO: 13:
:
: SEQUENCE CHARACTERISTICS:
:
:   LENGTH: 366 amino acids
:
:   TYPE: amino acid
:
:   STRANDEDNESS: single
:
:   TOPOLOGY: linear
:
:   MOLECULE TYPE: protein
:
: US-09-077-675A-13

```

Query Match	12.8%;	Score 299;	DB 4;	Length 366;
Best Local Similarity	27.8%;	Pred. No. 1.9e-21;		
Matches 93;	Conservative 60;	Mismatches 118;	Indels 64;	Gaps 12;

[illegible]

RESULT 13
 US-09-077-675A-2
 Sequence 2, Application US/09077675A
 Patent No. 6242199
 GENERAL INFORMATION:
 APPLICANT: Pali, Lee-Yuh
 APPLICANT: Feigner, Scott C.
 APPLICANT: Howard, Andrew D.
 APPLICANT: Pong, Sheng-Shung
 APPLICANT: Van Der Ploeg, Leonardus H.T.
 TITLE OF INVENTION: RECEPTOR ASSAY
 NUMBER OF SEQUENCES: 16
 CROSSREFERENCE ADDRESS:
 ADDRESSER: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/077, 675A
 FILING DATE: 3-JUN-1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:

```

1 APPLICATION NUMBER:
2 FILING DATE:
3 ATTORNEY/AGENT INFORMATION:
4 NAME: Cocuzzo, Anna L.
5 REGISTRATION NUMBER: 42,452
6 REFERENCE/DOCKET NUMBER: 19590PD
7 TELECOMMUNICATION INFORMATION:
8 TELEPHONE: 732-594-1273
9 TELEFAX: 732-594-4720
10 TELEX:
11 INFORMATION FOR SEQ ID NO: 2:
12 SEQUENCE CHARACTERISTICS:
13 LENGTH: 302 amino acids
14 type: amino acid
15 STRANDEDNESS: single
16 TOPOLOGY: linear
17 MOLECULE TYPE: protein
18
19 OS-09-077-6754-2

```


;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/153,848
;; FILING DATE:
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/977,452
;; FILING DATE: 17-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: No. 5759804and, Greta E.
;; REGISTRATION NUMBER: 35,302
;; REFERENCE/DOCKET NUMBER: 31794
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (312) 474-6300
;; TELEFAX: (312) 474-0448
;; TELEX: 25-3856
;; INFORMATION FOR SEQ. ID NO.: 40:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 380 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-153-848-40

Query Match 11.7%; Score 272.5; DB 1; Length 380;
Best Local Similarity 24.6%; Pred. No. 8e-19;
Matches 91; Conservative 62; Mismatches 154; Indels 63; Gaps 14;
QY 8 GSDCSQIIDSHVPEFEVATWIKITLIL--VYLIFWGLGNSATIRVTOYLQKKGYLQ 65
DB 4 GGFDFNYGADNOSCEYEDWKSGLIPALYMLVFLCTGNGILV--WVFRSSREKR 61
QY 66 KEYTDHNVSLACDIIYFLIGMPMEFYSLIWNPLTSSY----TLSCKLHTEFECASY 120
DB 62 RSDIDFIASIAVAD-LTFVYVTLP-----LMATYTRDYDMPGTFECKLSYLIFVNM 114
QY 121 ATLLHVLTLSEFYIAICHP-----FRYKAVSGPCQVKLLIGFVWTSALVALPLIFAMG 175
DB 115 ASVECLTGLSEFDRLAIVRPVANARLRLR--VSGAVATAVL---WVLALLAMPVK-VLR 168
QY 176 TEPLVNVSPHSGILCNKSRHHEOPEYSNMSICTNLSRMT---VFQSSIFGAFVY 231
DB 169 TFGDLENTTK---VOC-----YMDYSNVAIVSSEWAMEVGLGVSTVGFPVP 213
QY 232 LVVLSVAFMCMNMQVLMKSGSLAGSTRPQLRKSESESRARQTIFELRIYVT 291
DB 214 FTIMLTCTYFT-----AQTLAGHR-----KERIEGLRRRRLSLIYVLYVT 256
QY 292 LAVCMNPQDIRIMAAKPKHDWTRSYFRAYMILLPFSETFYLSVINPLIYTVSSQOF 351
DB 257 FALCMWPYHLVTKLVMLSGLHWPDCDFLNMIFPYCTCISYVNSCLNPLIYAFDPREF 316
QY 352 RRVFQVQLCC 361
DB 317 RQACTSMELCC 326

Search completed: January 8, 2002, 23:04:07
Job time: 2287 sec

